REMARKS

This amendment is submitted in response to the outstanding office action dated May 9, 2003 wherein the Examiner rejected to claims 1-8, all of the pending claims. Reconsideration of these rejections and allowance of all the claims in view of the above amendments and following remarks is respectfully requested.

The Drawing Objections

The Examiner objected to the drawings under 37 CFR 1.83(a) as not showing every feature of the invention including the method of despreading a GPS signal comprising Doppler information, correlating a target signal and modifying the correlation as a function of Doppler. In response to this objection Applicants have added new Fig. 5 which is a flow chart showing these steps as specifically recited in the claims and which does not add new matter. Accordingly, Applicants respectfully requests that the Examiner withdraw this objection.

The rejections under 35 USC 112

The Examiner rejected claim 7 as being indefinite stating that it is not further limiting and because it depends from a method claim. Similarly, the Examiner rejected claim 8 for depending upon a method claim. Applicants have amended these claims herein to

recite the structure which performs the steps. Accordingly, Applicants respectfully submit that these claims are allowable.

The rejection under 35 USC Section 102b and 102a

The Examiner rejected claims 1-2 and 7 as being anticipated by Gronemeyer under 102b and separately anticipated by Krasner under Section 102a as well as claim 8 being rejected over Krasner. Applicants respectfully traverse this rejection on the grounds that Claims 1 and 7 and 8 all of the independent claims require using information relating to an estimate of the variation in Doppler shift as observed on the target signal by the GPS receiver and which is attributable to the motion of the GPS satellite during the course of a single dwell to despread a target GPS signal. This is not the same as merely compensating for a single estimate of the observed Doppler because, the inventors appear to have been the first to appreciate, that the actual value will drift marginally during a period of approximately 1s which can be significant when lengthy dwells of this order are employed to attempt to acquire weak GPS signals in a noisy environment such as indoors. None of the cited portions of the Gronemeyer or Krasner reference appears to disclose using information relating to variations in the Doppler over the course of a single dwell. Accordingly, Applicants respectfully submit the claims are allowable over these references.

The rejection under 35 USC Section 103

The Examiner rejected claims 3-6 as being unpatentable over Krasner in view of Ando. Since claims 3-6 depend from claim 1, Applicants respectfully traverse this rejection for the reasons stated above with respect to Krasner and because the cited portion of Ando does not make up for the above described deficiency in Krasner. Accordingly, Applicants respectfully submit the claims are allowable. Entry of this Amendment reconsideration of the rejections and allowance of all the claims is respectfully requested.

Respectfully submitted,

By _____
Laurie E. Gathman, Reg.37,520
Attorney
(914) 333-9605

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited this date with the United States Postal Service as first-class mail in an envelope addressed to:

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

On 7.31.03

By _____

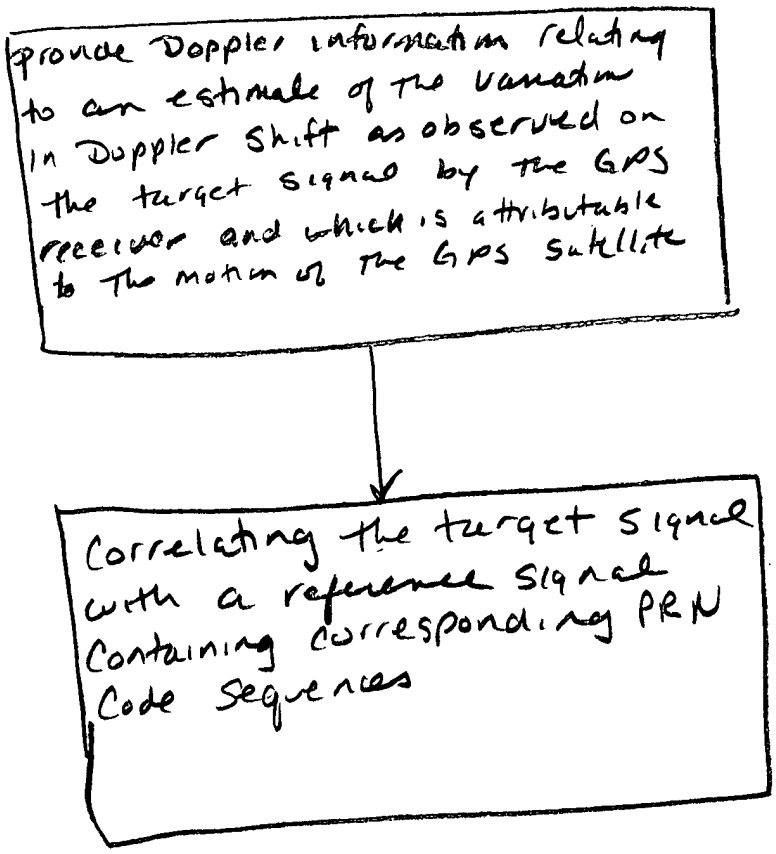

Fig. 5